

Title (en)
SURFACE ACOUSTIC WAVE DEVICE

Publication
EP 0111978 A3 19860226 (EN)

Application
EP 83201789 A 19831215

Priority
GB 8236366 A 19821222

Abstract (en)
[origin: EP0111978A2] A surface acoustic wave device includes apodised interdigital electrode arrays 2,3, coupled by a multistrip coupler 5. In a design in which the apodisation 8 comprises a main lobe flanked by a succession of minor lobes, the effects of diffraction relating to short electrode pair overlaps, are reduced by dividing at least the far end of the array into two or more series connected array portions 21, 22. Difficulties arising from unbalanced electrode edge overlaps at transitions 20 between different members of electrode pairs connected in series, are reduced by locating such transitions in the region of nulls in the apodisation pattern.

IPC 1-7
H03H 9/145

IPC 8 full level
G10K 11/36 (2006.01); **H03H 9/02** (2006.01); **H03H 9/145** (2006.01)

CPC (source: EP US)
H03H 9/02818 (2013.01 - EP US); **H03H 9/14517** (2013.01 - EP US); **H03H 9/1455** (2013.01 - EP US)

Citation (search report)
• [A] US 4321567 A 19820323 - SANDY FRANK
• [A] US 4006438 A 19770201 - BENNETT GLENN EDWARD
• [E] GB 2123637 A 19840201 - MURATA MANUFACTURING CO

Cited by
EP0735672A3; US5867075A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0111978 A2 19840627; **EP 0111978 A3 19860226**; GB 2132844 A 19840711; JP S59121095 A 19840712; US 4504759 A 19850312

DOCDB simple family (application)
EP 83201789 A 19831215; GB 8236366 A 19821222; JP 24000983 A 19831221; US 55840783 A 19831205